



2013

# Central Region Annual HIV Epidemiological Profile

# **2013 Central Region Annual HIV Epidemiological Profile**

**Data reported through December 31, 2014**

**Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Epidemiology and Outbreak Response Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health and Mental Hygiene  
<http://phpa.dhmh.maryland.gov/oideor/chse>  
1-800-358-9001**

## Acknowledgements

This report is published by the Center for HIV Surveillance, Epidemiology and Evaluation annually with valuable contribution from the following people listed. In addition, this report would not have been possible without the cooperation, dedication and hard work of HIV health care providers, community groups, researchers and members of the community and contribution from people with HIV.

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Suggested Citation: Central Region Annual HIV Epidemiological Profile 2013. Center for HIV Surveillance, Epidemiology and Evaluation, Department of Health and Mental Hygiene, Baltimore, MD. 2015.

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## Section I – Background Information

### HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmh.maryland.gov/oideor/chse/sitepages/reporting-material.aspx>

### For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5061.

### Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 14% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

## **Stages of a Case of HIV/AIDS**

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

<b>Time Point</b>	<b>Biological Event</b>	<b>Medical Event</b>	<b>Surveillance Event</b>
<b>1</b>	HIV Infection		
<b>2</b>		HIV Diagnosis	
<b>3</b>			HIV Report
<b>4</b>	AIDS Conditions		
<b>5</b>		AIDS Diagnosis	
<b>6</b>			AIDS Report
<b>7</b>	Death		
<b>8</b>		Death Diagnosis	
<b>9</b>			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

## **Changes in Case Terminology**

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 2013 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2013-12/31/2014, as reported by name through 12/31/2014.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/2014 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2014 as reported by name through 12/31/2014.

## **Laboratory Data**

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured at least 2-3 times per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care".

### **Sources of Data**

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), December 31, 2014.

Population data by sex, age, and race are from the July 1, 2013 U.S. Census Estimates and by country-of-birth from the 2012 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

### **Tabulation of Column Totals**

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

### **Data Suppression**

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

### **HIV Exposure Categories**

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM (Men who have Sex with Men):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

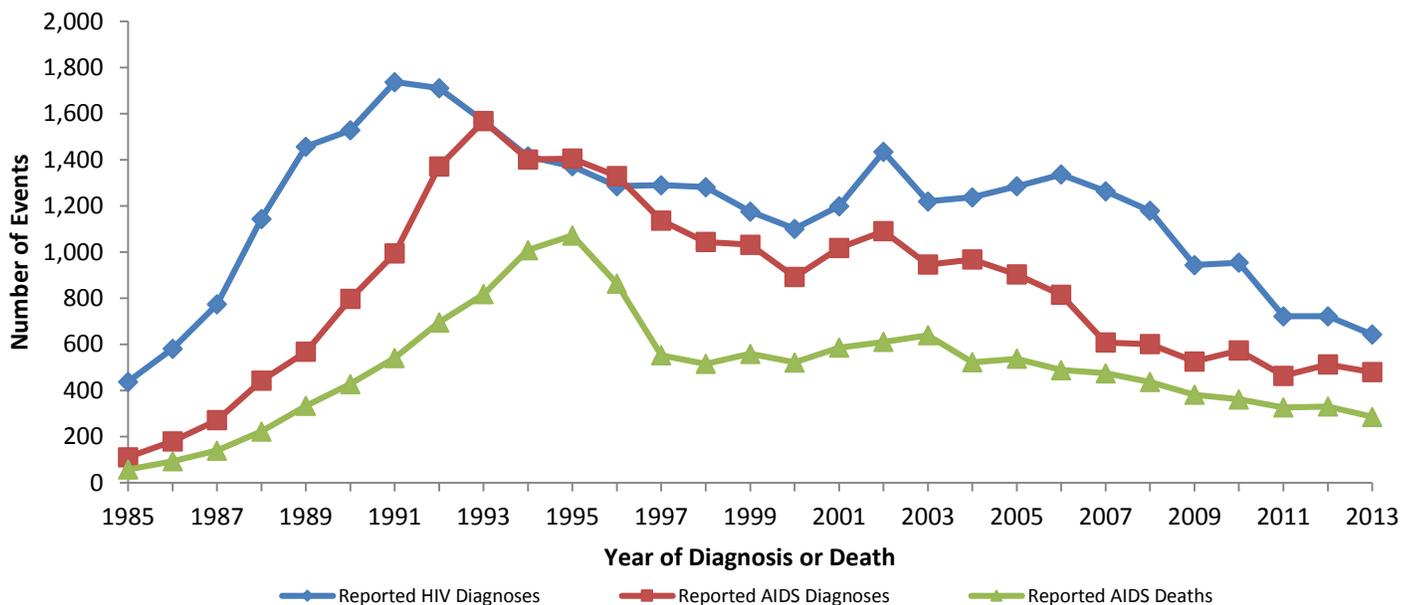
**Perinatal Exposure:** Any baby born to an HIV positive mother.

## Section II – Trends 1985-2013

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2013, Reported through 12/31/2014**

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnosis) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2013 as Reported through 12/31/2014

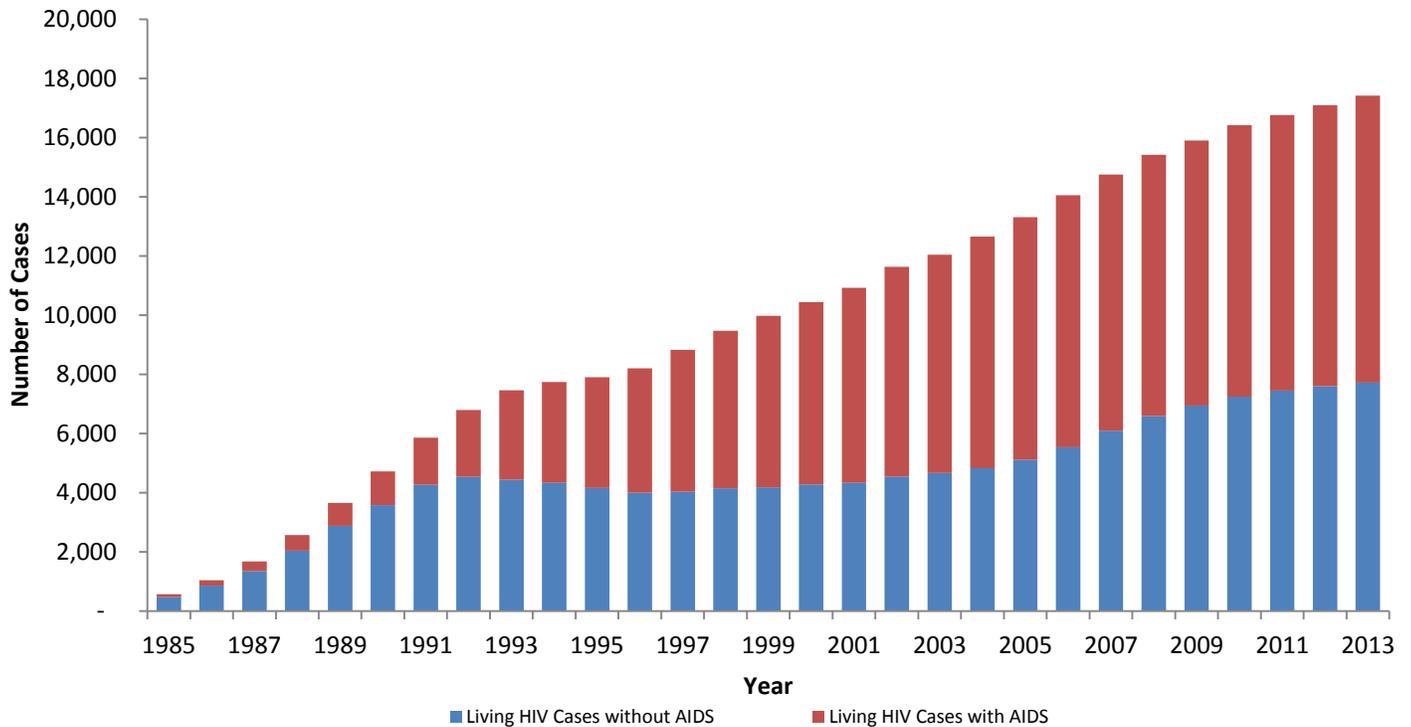
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008



YEAR OF DIAGNOSIS OR DEATH	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	YEAR OF DIAGNOSIS OR DEATH	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	221	91	35	1999	1,176	1,032	559
1985	438	111	58	2000	1,101	892	522
1986	581	180	94	2001	1,199	1,018	586
1987	774	272	140	2002	1,435	1,091	611
1988	1,144	443	223	2003	1,220	946	640
1989	1,457	568	334	2004	1,238	968	523
1990	1,528	797	428	2005	1,285	903	538
1991	1,737	994	541	2006	1,336	815	489
1992	1,711	1,371	696	2007	1,264	608	475
1993	1,568	1,568	818	2008	1,179	601	437
1994	1,415	1,402	1,009	2009	944	526	382
1995	1,372	1,405	1,072	2010	954	574	362
1996	1,286	1,330	864	2011	722	464	327
1997	1,290	1,137	553	2012	722	513	331
1998	1,282	1,044	516	2013	643	480	286
				TOTAL	34,222	24,144	14,449

**Figure 2 – Trends in Living HIV Cases, 1985-2013, Reported through 12/31/2014**

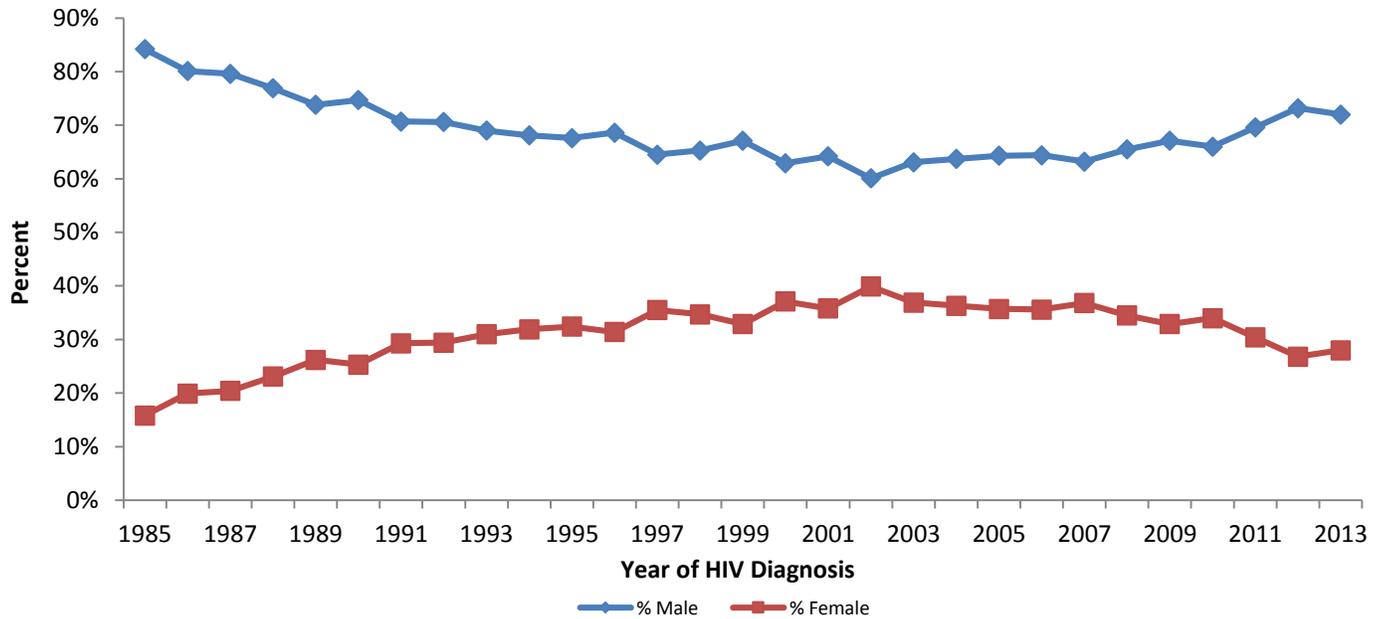
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2013, as Reported through 12/31/2014



YEAR	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases	YEAR	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases
1985	468	95	563	1999	4,184	5,795	9,979
1986	861	181	1,042	2000	4,273	6,165	10,438
1987	1,356	314	1,670	2001	4,329	6,597	10,926
1988	2,037	534	2,571	2002	4,550	7,077	11,627
1989	2,880	768	3,648	2003	4,659	7,383	12,042
1990	3,577	1,137	4,714	2004	4,823	7,828	12,651
1991	4,267	1,590	5,857	2005	5,111	8,194	13,305
1992	4,529	2,266	6,795	2006	5,534	8,521	14,055
1993	4,440	3,016	7,456	2007	6,097	8,656	14,753
1994	4,326	3,410	7,736	2008	6,593	8,821	15,414
1995	4,160	3,743	7,903	2009	6,939	8,965	15,904
1996	3,996	4,210	8,206	2010	7,241	9,177	16,418
1997	4,026	4,794	8,820	2011	7,444	9,314	16,758
1998	4,149	5,322	9,471	2012	7,603	9,496	17,099
				2013	7,722	9,691	17,413

**Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2013, Reported through 12/31/2014**

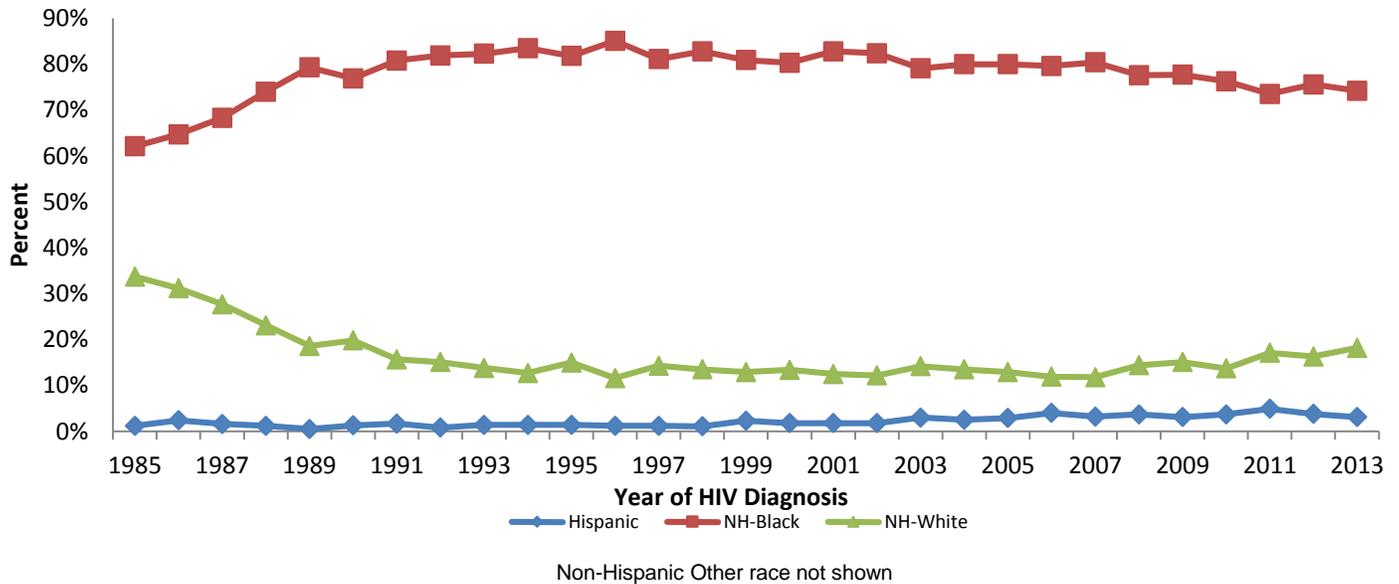
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2013, as Reported through 12/31/2014



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses			YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses		
	No.	% Male	% Female		No.	% Male	% Female
<1985	218	85.8%	14.2%	1999	1,160	67.1%	32.9%
1985	430	84.2%	15.8%	2000	1,093	62.9%	37.1%
1986	573	80.1%	19.9%	2001	1,190	64.2%	35.8%
1987	758	79.6%	20.4%	2002	1,427	60.1%	39.9%
1988	1,125	76.9%	23.1%	2003	1,218	63.1%	36.9%
1989	1,430	73.8%	26.2%	2004	1,233	63.7%	36.3%
1990	1,492	74.7%	25.3%	2005	1,283	64.3%	35.7%
1991	1,702	70.7%	29.3%	2006	1,331	64.4%	35.6%
1992	1,665	70.6%	29.4%	2007	1,233	63.2%	36.8%
1993	1,524	69.0%	31.0%	2008	1,171	65.5%	34.5%
1994	1,384	68.1%	31.9%	2009	939	67.1%	32.9%
1995	1,353	67.6%	32.4%	2010	951	66.0%	34.0%
1996	1,267	68.6%	31.4%	2011	720	69.6%	30.4%
1997	1,280	64.5%	35.5%	2012	720	73.2%	26.8%
1998	1,266	65.3%	34.7%	2013	643	72.0%	28.0%
				<b>TOTAL</b>	<b>33,779</b>	<b>68.3%</b>	<b>31.7%</b>

**Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2013, Reported through 12/31/2014**

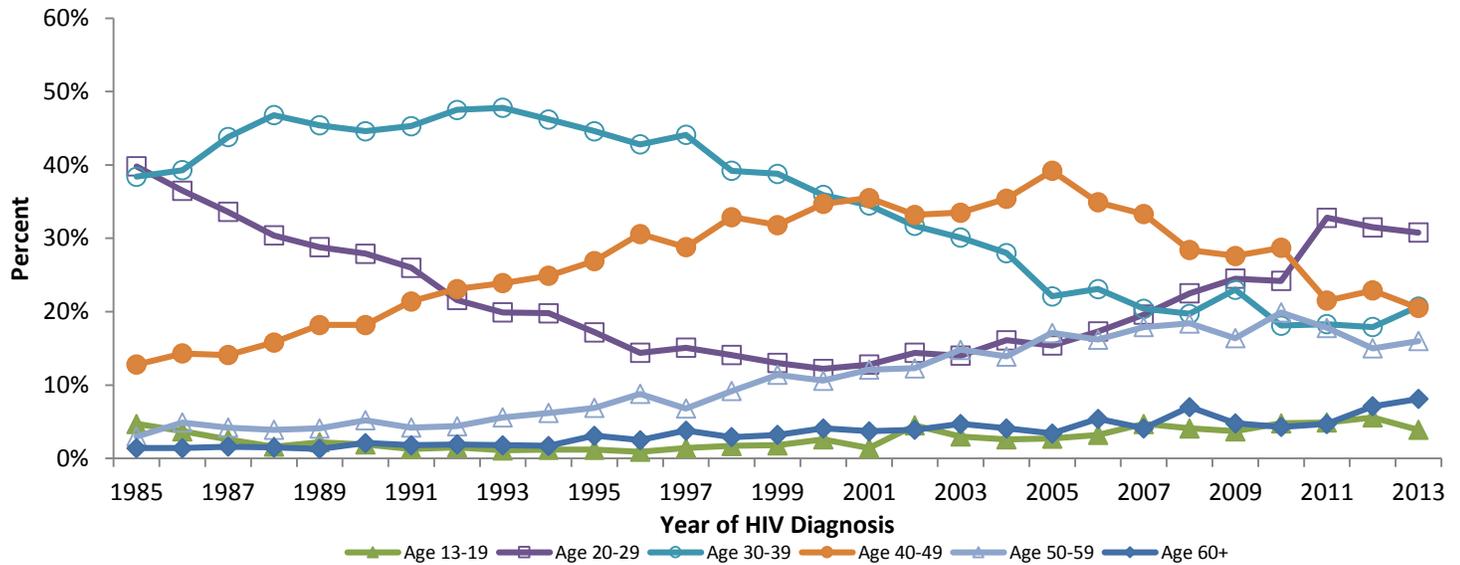
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2013, as Reported through 12/31/2014



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	218	2.3%	54.1%	41.3%	2.3%
1985	430	1.2%	62.1%	33.7%	3.0%
1986	573	2.4%	64.7%	31.2%	1.6%
1987	758	1.6%	68.3%	27.7%	2.4%
1988	1,125	1.2%	74.0%	23.1%	1.7%
1989	1,430	0.5%	79.3%	18.6%	1.6%
1990	1,492	1.3%	76.9%	19.8%	1.9%
1991	1,702	1.7%	80.8%	15.7%	1.8%
1992	1,665	0.8%	81.9%	15.1%	2.2%
1993	1,524	1.4%	82.3%	13.8%	2.4%
1994	1,384	1.4%	83.5%	12.7%	2.4%
1995	1,353	1.4%	81.8%	15.0%	1.8%
1996	1,267	1.2%	85.1%	11.6%	2.1%
1997	1,280	1.2%	81.1%	14.3%	3.4%
1998	1,266	1.1%	82.8%	13.5%	2.6%
1999	1,160	2.3%	80.9%	12.9%	3.8%
2000	1,093	1.8%	80.3%	13.4%	4.5%
2001	1,190	1.8%	82.8%	12.5%	2.9%
2002	1,427	1.8%	82.4%	12.2%	3.6%
2003	1,218	3.0%	79.1%	14.2%	3.6%
2004	1,233	2.5%	80.0%	13.5%	3.9%
2005	1,283	2.9%	80.0%	12.9%	4.1%
2006	1,331	4.0%	79.6%	11.9%	4.6%
2007	1,233	3.2%	80.4%	11.8%	4.6%
2008	1,171	3.7%	77.6%	14.4%	4.3%
2009	939	3.1%	77.7%	15.1%	4.0%
2010	951	3.7%	76.3%	13.7%	6.3%
2011	720	4.9%	73.5%	17.1%	4.6%
2012	720	3.8%	75.6%	16.3%	4.4%
2013	643	3.1%	74.2%	18.2%	4.5%
<b>TOTAL</b>	<b>33,779</b>	<b>2.1%</b>	<b>79.1%</b>	<b>15.6%</b>	<b>3.2%</b>

**Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2013, Reported through 12/31/2014**

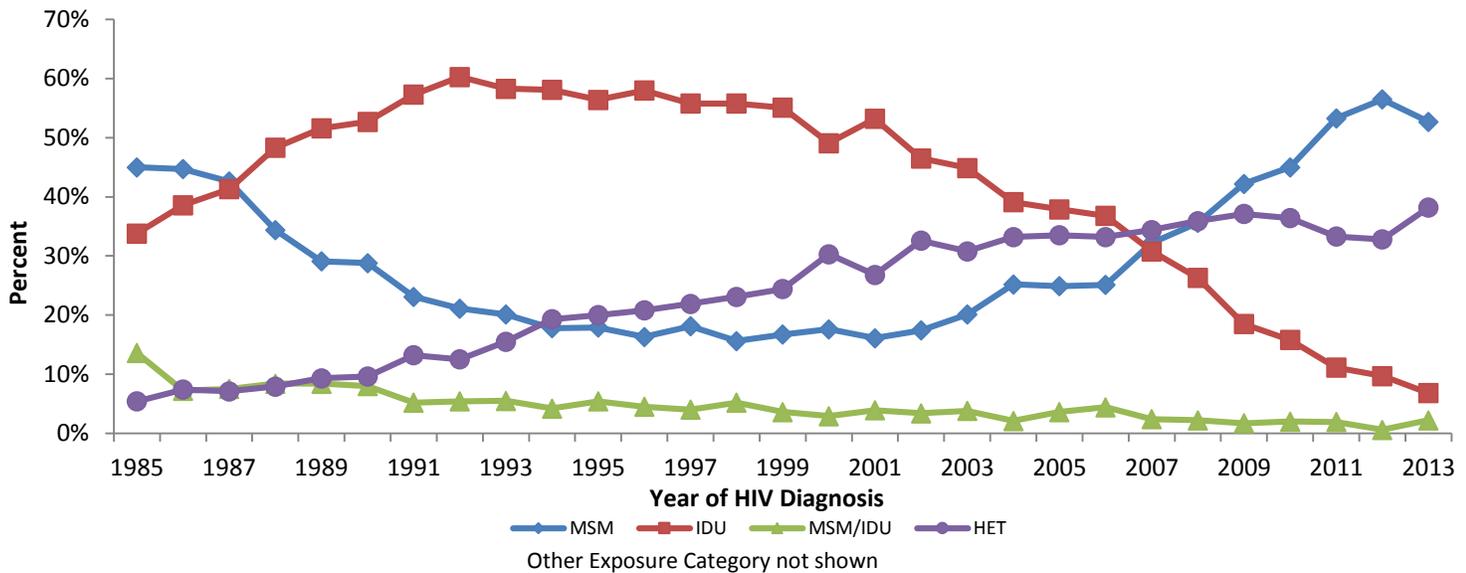
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2013, as Reported through 12/31/2014



YEAR OF HIV DIAGNOSIS	Reported Adult/Adolescent HIV Diagnoses						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	218	6.0%	43.1%	30.7%	13.8%	6.0%	0.5%
1985	430	4.7%	39.8%	38.4%	12.8%	3.0%	1.4%
1986	573	3.7%	36.5%	39.3%	14.3%	4.9%	1.4%
1987	758	2.6%	33.6%	43.8%	14.1%	4.2%	1.6%
1988	1,125	1.6%	30.4%	46.8%	15.8%	3.9%	1.5%
1989	1,430	2.2%	28.8%	45.4%	18.2%	4.1%	1.3%
1990	1,492	1.9%	27.9%	44.6%	18.2%	5.2%	2.1%
1991	1,702	1.3%	26.0%	45.3%	21.4%	4.2%	1.8%
1992	1,665	1.5%	21.6%	47.5%	23.1%	4.4%	1.9%
1993	1,524	1.1%	19.9%	47.8%	23.9%	5.6%	1.8%
1994	1,384	1.2%	19.8%	46.2%	24.9%	6.2%	1.7%
1995	1,353	1.2%	17.2%	44.6%	26.9%	6.9%	3.1%
1996	1,267	0.9%	14.4%	42.8%	30.6%	8.8%	2.5%
1997	1,280	1.4%	15.1%	44.1%	28.8%	6.8%	3.8%
1998	1,266	1.7%	14.1%	39.2%	32.9%	9.2%	2.9%
1999	1,160	1.8%	13.0%	38.8%	31.8%	11.4%	3.2%
2000	1,093	2.6%	12.2%	35.9%	34.7%	10.6%	4.1%
2001	1,190	1.4%	12.8%	34.5%	35.5%	12.1%	3.7%
2002	1,427	4.5%	14.4%	31.7%	33.2%	12.3%	3.9%
2003	1,218	3.0%	14.0%	30.1%	33.5%	14.8%	4.7%
2004	1,233	2.6%	16.1%	28.0%	35.4%	13.9%	4.1%
2005	1,283	2.7%	15.4%	22.1%	39.2%	17.1%	3.4%
2006	1,331	3.2%	17.3%	23.1%	34.9%	16.2%	5.4%
2007	1,233	4.7%	19.6%	20.4%	33.3%	17.9%	4.1%
2008	1,171	4.1%	22.5%	19.7%	28.4%	18.4%	7.0%
2009	939	3.7%	24.5%	23.0%	27.6%	16.4%	4.8%
2010	951	4.8%	24.2%	18.1%	28.7%	19.9%	4.3%
2011	720	4.9%	32.8%	18.3%	21.5%	17.8%	4.7%
2012	720	5.6%	31.5%	17.9%	22.9%	15.0%	7.1%
2013	643	3.9%	30.8%	20.7%	20.5%	16.0%	8.1%
<b>TOTAL</b>	<b>33,779</b>	<b>2.6%</b>	<b>21.1%</b>	<b>35.6%</b>	<b>27.1%</b>	<b>10.3%</b>	<b>3.3%</b>

**Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2013, Reported through 12/31/2014**

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2013, as Reported through 12/31/2014



YEAR	Adult/Adolescent Reported HIV Diagnoses						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	218	214	55.6%	28.5%	7.9%	3.7%	4.2%
1985	430	411	45.0%	33.8%	13.6%	5.4%	2.2%
1986	573	557	44.7%	38.6%	7.2%	7.4%	2.2%
1987	758	734	42.6%	41.3%	7.5%	7.1%	1.5%
1988	1,125	1,088	34.4%	48.3%	8.4%	7.9%	1.1%
1989	1,430	1,388	29.1%	51.6%	8.4%	9.3%	1.7%
1990	1,492	1,434	28.8%	52.7%	8.0%	9.6%	0.9%
1991	1,702	1,625	23.1%	57.3%	5.2%	13.2%	1.2%
1992	1,665	1,580	21.1%	60.3%	5.4%	12.5%	0.8%
1993	1,524	1,474	20.1%	58.3%	5.5%	15.5%	0.6%
1994	1,384	1,321	17.8%	58.1%	4.2%	19.3%	0.7%
1995	1,353	1,291	17.9%	56.4%	5.4%	20.0%	0.3%
1996	1,267	1,203	16.3%	58.0%	4.5%	20.8%	0.4%
1997	1,280	1,188	18.1%	55.8%	4.0%	21.9%	0.2%
1998	1,266	1,175	15.6%	55.8%	5.2%	23.1%	0.3%
1999	1,160	1,058	16.7%	55.1%	3.6%	24.4%	0.2%
2000	1,093	985	17.6%	49.1%	2.9%	30.3%	0.1%
2001	1,190	1,064	16.1%	53.2%	3.9%	26.8%	0.1%
2002	1,427	1,217	17.4%	46.5%	3.4%	32.6%	0.1%
2003	1,218	1,071	20.1%	44.9%	3.8%	30.8%	0.4%
2004	1,233	1,068	25.2%	39.1%	2.1%	33.2%	0.4%
2005	1,283	1,032	24.9%	37.9%	3.6%	33.5%	0.1%
2006	1,331	980	25.1%	36.8%	4.4%	33.2%	0.5%
2007	1,233	878	32.2%	30.8%	2.4%	34.4%	0.2%
2008	1,171	777	35.6%	26.3%	2.2%	35.9%	0.0%
2009	939	545	42.2%	18.5%	1.7%	37.1%	0.6%
2010	951	505	45.0%	15.8%	2.0%	36.4%	0.8%
2011	720	424	53.3%	11.1%	1.9%	33.3%	0.5%
2012	720	503	56.5%	9.7%	0.6%	32.8%	0.4%
2013	643	503	52.7%	6.8%	2.2%	38.2%	0.2%
<b>TOTAL</b>	<b>33,779</b>	<b>29,293</b>	<b>26.1%</b>	<b>46.4%</b>	<b>4.8%</b>	<b>22.1%</b>	<b>0.6%</b>

## Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2014**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Anne Arundel	464,062	54	8.4%	11.6	43	79.6	18	33.3%	45	83.3%	300
Baltimore City	523,113	385	59.9%	73.6	296	76.9%	108	28.1%	308	80.0%	346
Baltimore	694,901	138	21.5%	19.9	118	85.5%	41	29.7%	118	85.5%	343
Carroll	141,768	2	0.3%	1.4	***	***	***	***	***	***	***
Harford	208,971	32	5.0%	15.3	***	***	***	***	***	***	***
Howard	252,141	32	5.0%	12.7	28	87.5%	13	40.6%	28	87.5%	269
TOTAL	2,284,955	643	100.0%	28.1	511	79.5%	192	29.9%	530	82.4%	340

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 2 – Adult/Adolescent AIDS Diagnoses during 2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2014**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Anne Arundel	464,062	36	7.6%	7.8	3.8	47.2%
Baltimore City	523,113	309	65.5%	59.1	4.9	37.2%
Baltimore	694,901	87	18.4%	12.5	4.7	48.3%
Carroll	141,768	1	0.2%	0.7	***	***
Harford	208,971	17	3.6%	8.1	2	82.4%
Howard	252,141	22	4.7%	8.7	2.2	63.6%
<b>TOTAL</b>	<b>2,284,955</b>	<b>472</b>	<b>100.0%</b>	<b>20.7</b>	<b>4.5</b>	<b>42.8%</b>

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2013, by Jurisdiction, Reported through 12/31/2014**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Anne Arundel	464,062	472	6.2%	101.7	619	6.5%	133.4	1,091	6.4%	235.1	425
Baltimore City	523,113	5,483	72.4%	1,048.1	6,952	72.8%	1,329.0	12,435	72.6%	2,377.1	42
Baltimore	694,901	1,151	15.2%	165.6	1,436	15.0%	206.6	2,587	15.1%	372.3	--
Carroll	141,768	53	0.7%	37.4	62	0.6%	43.7	115	0.7%	81.1	--
Harford	208,971	175	2.3%	83.7	222	2.3%	106.2	397	2.3%	190.0	526
Howard	252,141	242	3.2%	96.0	255	2.7%	101.1	497	2.9%	197.1	507
<b>TOTAL</b>	<b>2,284,955</b>	<b>7,576</b>	<b>100.0%</b>	<b>331.6</b>	<b>9,546</b>	<b>100.0%</b>	<b>417.8</b>	<b>17,122</b>	<b>100.0%</b>	<b>749.3</b>	<b>133</b>

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2013.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2013, Reported through 12/31/2014**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases								
	No.	Recent CD4 Test Result						350-499	500+
		No. with Test	% with Test	Median Count	<200	200-349			
Anne Arundel	1,091	641	58.8%	527	12.6%	14.7%	20.0%	52.7%	
Baltimore City	12,435	7,792	62.7%	510	13.6%	16.2%	18.7%	51.5%	
Baltimore	2,587	1,599	61.8%	528	12.3%	14.7%	20.3%	52.8%	
Carroll	115	50	43.5%	537	14.0%	6.0%	24.0%	56.0%	
Harford	397	235	59.2%	536	11.9%	17.0%	18.7%	52.3%	
Howard	497	293	59.0%	587	12.3%	12.3%	16.0%	59.4%	
<b>TOTAL</b>	<b>17,122</b>	<b>10,610</b>	<b>62.0%</b>	<b>517</b>	<b>13.3%</b>	<b>15.8%</b>	<b>19.0%</b>	<b>52.0%</b>	

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2013, by Jurisdiction, Reported through 12/31/2014**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Anne Arundel	1,091	567	52.0%	70.5%	11,386
Baltimore City	12,435	6,446	51.8%	67.0%	9,830
Baltimore	2,587	1,402	54.2%	71.6%	10,215
Carroll	115	45	39.1%	82.2%	21,215
Harford	397	216	54.4%	73.1%	8,074
Howard	497	257	51.7%	75.9%	16,518
TOTAL	17,122	8,933	52.2%	68.4%	10,000

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

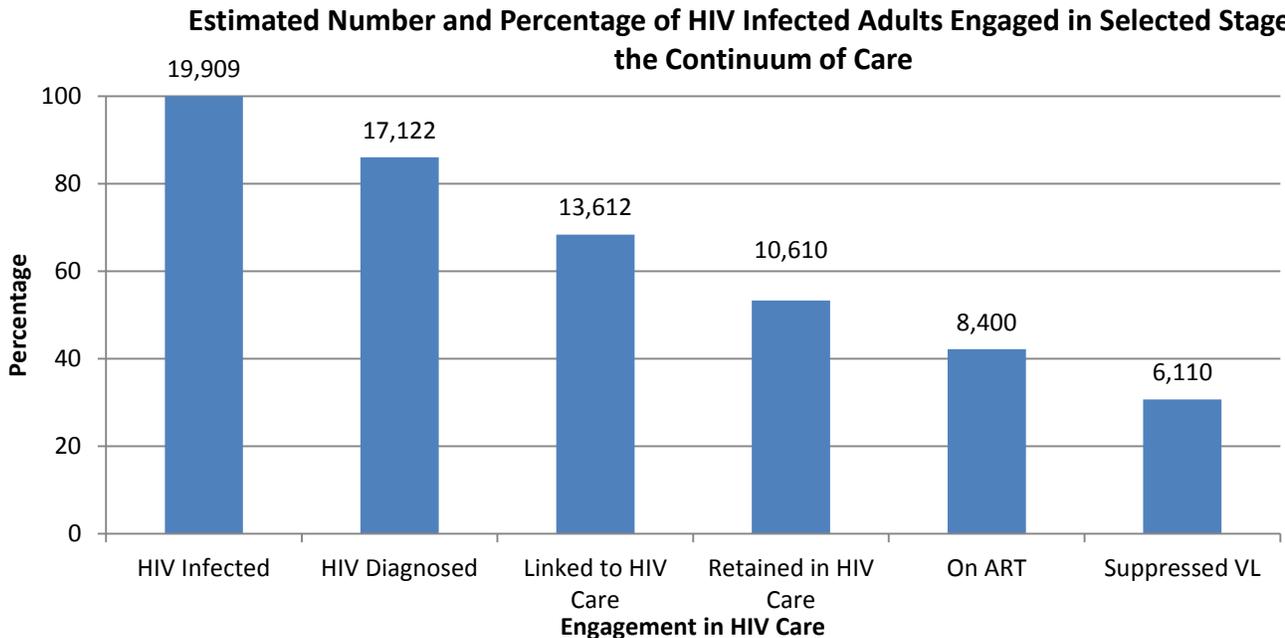
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Figure 7 – Estimated Adult/Adolescent 2013 HIV Continuum of Care, Reported through 12/31/2014

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al. utilize a continuum of care “cascade” to illustrate national estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The Maryland Engagement in HIV Care Cascade (below) uses the national estimate of the number of undiagnosed persons (14%) to generate an estimated total number of HIV infected persons in Maryland, and then uses local data to describe the number and percentage of persons living with HIV in Maryland who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Number	Percentage
HIV Infected	19,909	100.0%
HIV Diagnosed	17,122	86.0%
Linked to HIV Care	13,612	68.4%
Retained in HIV Care	10,610	53.3%
On ART	8,400	42.2%
Suppressed VL	6,110	30.7%

**HIV Infected:** HIV Diagnosed divided by one minus the national estimate of undiagnosed HIV infections (14%).

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**On ART:** Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

## Section IV – Cases by Age

**Table 6 – HIV Diagnoses during 2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2014**

AGE AT HIV DIAGNOSIS	Population	Reported HIV Diagnoses									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
<5 (Pediatric)	166,998	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
5-12 (Pediatric)	270,268	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	--
13-19	243,308	25	3.9%	10.3	23	92.0%	8	32.0%	25	100.0%	344
20-29	388,844	198	30.8%	50.9	161	81.3%	37	18.7%	166	83.8%	372
30-39	353,449	133	20.7%	37.6	112	84.2%	41	30.8%	115	86.5%	313
40-49	373,213	132	20.5%	35.4	101	76.5%	52	39.4%	106	80.3%	254
50-59	397,715	103	16.0%	25.9	73	70.9%	35	34.0%	79	76.7%	332
60+	528,426	52	8.1%	9.8	41	78.8%	19	36.5%	39	75.0%	318
TOTAL	2,722,221	643	100.0%	23.6	511	79.5%	192	29.9%	530	82.4%	340

**Table 7 – AIDS Diagnoses during 2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2014**

AGE AT AIDS DIAGNOSIS	Population	Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	166,998	0	0.0%	0.0	--	0.0%
5-12 (Pediatric)	270,268	0	0.0%	0.0	--	0.0%
13-19	243,308	14	2.9%	5.8	4.8	64.3%
20-29	388,844	91	19.0%	23.4	3.4	46.2%
30-39	353,449	99	20.6%	28.0	4.2	41.4%
40-49	373,213	116	24.2%	31.1	4.7	42.2%
50-59	397,715	113	23.5%	28.4	6.3	35.4%
60+	528,426	47	9.8%	8.9	5.0	44.7%
TOTAL	2,722,221	480	100.0%	17.6	4.8	42.1%

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Table 8 – HIV Cases Alive on 12/31/2013, by Age on 12/31/2013, Reported through 12/31/2014**

AGE ON 12/31/2013	Population	Living HIV Cases without AIDS			Living HIV Cases with AIDS			Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	166,998	5	0.1%	3.0	1	0.0%	0.6	6	0.0%	3.6	27,833
5-12	270,268	29	0.4%	10.7	4	0.0%	1.5	33	0.2%	12.2	8,189
13-19	243,308	87	1.1%	35.8	51	0.5%	21.0	138	0.8%	56.7	1,763
20-29	388,844	1,168	15.1%	300.4	552	5.7%	142.0	1,720	9.9%	442.3	226
30-39	353,449	1,416	18.3%	400.6	1,104	11.4%	312.4	2,520	14.5%	713.0	140
40-49	373,213	2,019	26.1%	541.0	2,778	28.7%	744.3	4,797	27.5%	1,285.3	77
50-59	397,715	2,122	27.5%	533.5	3,637	37.5%	914.5	5,759	33.1%	1,448.0	69
60+	528,426	876	11.3%	165.8	1,564	16.1%	296.0	2,440	14.0%	461.7	216
TOTAL	2,722,221	7,722	100.0%	283.7	9,691	100.0%	356.0	17,413	100.0%	639.7	156

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2013.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2013, by Age on 12/31/2013, Reported through 12/31/2014**

AGE ON 12/31/2013	Adult/Adolescent Total Living HIV Cases								
	No.	Recent CD4 Test Results						350-499	500+
		No. with Test	% with Test	Median Count	<200	200-349			
13-19	54	35	64.8%	522	5.7%	31.4%	8.6%	54.3%	
20-29	1,559	1,042	66.8%	507	10.8%	16.0%	22.3%	50.9%	
30-39	2,513	1,539	61.2%	526	12.5%	14.0%	20.4%	53.1%	
40-49	4,797	2,895	60.4%	499	15.4%	15.7%	19.0%	49.9%	
50-59	5,759	3,652	63.4%	524	13.7%	15.7%	17.5%	53.0%	
60+	2,440	1,447	59.3%	523	10.6%	17.2%	19.0%	53.1%	
TOTAL	17,122	10,610	62.0%	517	13.3%	15.8%	19.0%	52.0%	

**Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2013, by Age on 12/31/2013, Reported through 12/31/2014**

AGE ON 12/31/2013	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	54	43	79.6%	37.2%	5,852
20-29	1,559	932	59.8%	49.8%	11,805
30-39	2,513	1,336	53.2%	65.0%	11,428
40-49	4,797	2,491	51.9%	67.8%	12,141
50-59	5,759	2,999	52.1%	72.5%	9,674
60+	2,440	1,132	46.4%	79.5%	3,599
TOTAL	17,122	8,933	52.2%	68.4%	10,000

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age on [date]:** Age group of living cases on the specified date.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2014**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
Male	1,089,775	463	72.0%	42.5	367	79.3%	125	27.0%	375	81.0%	332
Female	1,195,181	180	28.0%	15.1	144	80.0%	67	37.2%	155	86.1%	363
TOTAL	2,284,955	643	100.0%	28.1	511	79.5%	192	29.9%	530	82.4%	340

RACE/ ETHNICITY	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
Hispanic	103,525	20	3.1%	19.3	17	85.0%	6	30.0%	18	90.0%	280
Non-Hispanic	2,181,430	623	96.9%	28.6	494	79.3%	186	29.9%	512	82.2%	343
American Indian/Alaska Native, only	5,841	1	0.2%	17.1	***	***	***	***	***	***	***
Asian, only	116,223	5	0.8%	4.3	***	***	***	***	***	***	***
Black, only	646,144	477	74.2%	73.8	374	78.4%	134	28.1%	386	80.9%	342
Native Hawaiian/Other Pacific Islander, only	1,149	0	0.0%	0.0	0	0.0%	0	0.0%	0	0.0%	
White only	1,376,271	117	18.2%	8.5	96	82.1%	40	34.2%	102	87.2%	365
Multiracial/Other	35,801	23	3.6%	64.2	20	87.0%	8	34.8%	19	82.6%	396
TOTAL	2,284,955	643	100.0%	28.1	511	79.5%	192	29.9%	530	82.4%	340

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Reported HIV Diagnoses							First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of % Late Diagnosis	% Late Diagnosis	No. with Test	% with Test	Median Count
United States	2,007,962	544	84.6%	27.1	427	78.5%	161	29.6%	445	81.8%	346
Foreign-born	239,110	24	3.7%	10.0	23	95.8%	10	41.7%	22	91.7%	246
Africa	--	13	2.0%	--	12	92.3%	6	46.2%	12	92.3%	167
Asia	--	3	0.5%	--	***	***	***	***	***	***	***
Caribbean	--	3	0.5%	--	***	***	***	***	***	***	***
Central America	--	4	0.6%	--	***	***	***	***	***	***	***
Other	--	1	0.2%	--	***	***	***	***	***	***	***
Unknown	--	75	11.7%	--	61	81.3%	21	28.0%	63	84.0%	341
TOTAL	2,247,072	643	100.0%	28.6	511	79.5%	192	29.9%	530	82.4%	340

\* Population data by sex at birth, age, and race/ethnicity are from the 2012 U.S. Census population estimates

\*\* Population data by country of birth are from the 2012 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 12 – Adult/Adolescent AIDS Diagnoses during 2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2014**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	1,089,775	293	62.1%	26.9	4.2	45.4%
Female	1,195,181	179	37.9%	15.0	5.1	38.5%
TOTAL	2,284,955	472	100.0%	20.7	4.5	42.8%

RACE/ETHNICITY	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	103,525	17	3.6%	16.4	5.7	41.2%
Non-Hispanic	2,181,430	455	96.4%	20.9	4.5	42.9%
American Indian/Alaska Native, only	5,841	1	0.2%	17.1	***	***
Asian, only	116,223	3	0.6%	2.6	***	***
Black, only	646,144	352	74.6%	54.5	4.8	38.6%
Native Hawaiian/Other Pacific Islander, only	1,149	0	0.0%	0.0	--	0.0%
White only	1,376,271	74	15.7%	5.4	2.9	63.5%
Multiracial/Other	35,801	25	5.3%	69.8	5.7	32.0%
TOTAL	2,284,955	472	100.0%	20.7	4.5	42.8%

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	2,007,962	432	91.5%	21.5	4.8	40.3%
Foreign-born	239,110	13	2.8%	5.4	3.3	69.2%
Africa	--	6	1.3%	--	0.9	83.3%
Asia	--	2	0.4%	--	***	***
Caribbean	--	1	0.2%	--	***	***
Central America	--	2	0.4%	--	***	***
Other	--	2	0.4%	--	***	***
Unknown	--	27	5.7%	--	1.4	70.4%
TOTAL	2,247,072	472	100.0%	21.0	4.5	42.8%

\* Population data by sex at birth, age, and race/ethnicity are from the 2012 U.S. Census population estimates

\*\* Population data by country of birth are from the 2012 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2013 and Reported through 12/31/2014**

SEX AT BIRTH	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Male	1,089,775	4,922	65.0%	451.7	6,098	63.9%	559.6	11,020	64.4%	1,011.2	98
Female	1,195,181	2,654	35.0%	222.1	3,448	36.1%	288.5	6,102	35.6%	510.6	195
TOTAL	2,284,955	7,576	100.0%	331.6	9,546	100.0%	417.8	17,122	100.0%	749.3	133

RACE/ETHNICITY	Population Age 13+*	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Hispanic	103,525	196	2.6%	189.3	321	3.4%	310.1	517	3.0%	499.4	200
Non-Hispanic	2,181,430	7,380	97.4%	338.3	9,225	96.6%	422.9	16,605	97.0%	761.2	131
American Indian/Alaska Native, only	5,841	9	0.1%	154.1	7	0.1%	119.8	16	0.1%	273.9	365
Asian, only	116,223	42	0.6%	36.1	20	0.3%	17.2	62	0.4%	53.3	1,874
Black, only	646,144	5,830	77.0%	902.3	7,390	97.5%	1,143.7	13,220	77.2%	2,046.0	48
Native Hawaiian/Other Pacific Islander, only	1,149	3	0.0%	261.0	4	0.1%	348.0	7	0.0%	609.0	164
White only	1,376,271	1,270	16.8%	92.3	1,375	18.1%	99.9	2,645	15.4%	192.2	520
Multiracial/Other	35,801	226	3.0%	631.3	429	5.7%	1,198.3	655	3.8%	1,829.6	54
TOTAL	2,284,955	7,576	100.0%	331.6	9,546	100.0%	417.8	17,122	100.0%	749.3	133

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
United States	2,007,962	7,144	94.3%	355.8	9,090	95.2%	452.7	16,234	94.8%	808.5	123
Foreign-born	239,110	143	1.9%	59.8	314	3.3%	131.3	457	2.7%	191.1	523
Africa	--	66	0.9%	--	162	1.7%	--	228	1.3%	--	--
Asia	--	12	0.2%	--	22	0.2%	--	34	0.2%	--	--
Caribbean	--	17	0.2%	--	31	0.3%	--	48	0.3%	--	--
Central America	--	23	0.3%	--	63	0.7%	--	86	0.5%	--	--
Other	--	25	0.3%	--	36	0.4%	--	61	0.4%	--	--
Unknown	--	289	3.8%	--	142	1.5%	--	431	2.5%	--	--
TOTAL	2,247,072	7,576	100.0%	337.1	9,546	100.0%	424.8	17,122	100.0%	762.0	131

\* Population data by sex at birth, age, and race/ethnicity are from the 2012 U.S. Census population estimates

\*\* Population data by country of birth are from the 2012 American Community Survey

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2013.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2013 and Reported through 12/31/2014**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	11,020	6,564	59.6%	499	13.0%	16.9%	20.2%	49.9%
Female	6,102	4,046	66.3%	548	13.7%	13.9%	17.1%	55.4%
TOTAL	17,122	10,610	62.0%	517	13.3%	15.8%	19.0%	52.0%

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	517	316	61.1%	464	13.0%	19.6%	20.9%	46.5%
Non-Hispanic	16,605	10,294	62.0%	519	13.3%	15.6%	18.9%	52.2%
American Indian/Alaska Native, only	16	***	***	***	***	***	***	***
Asian, only	62	38	61.3%	492	7.9%	15.8%	28.9%	47.4%
Black, only	13,220	8,300	62.8%	511	13.8%	15.9%	18.9%	51.4%
Native Hawaiian/Other Pacific Islander, only	7	***	***	***	***	***	***	***
White only	2,645	1,452	54.9%	565	10.1%	13.5%	18.7%	57.7%
Multiracial/Other	655	496	75.7%	493	14.5%	18.3%	18.8%	48.4%
TOTAL	17,122	10,610	62.0%	517	13.3%	15.8%	19.0%	52.0%

COUNTRY OF BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	16,234	10,062	62.0%	519	13.3%	15.8%	18.7%	52.2%
Foreign-born	457	258	56.5%	485	10.9%	16.7%	24.8%	47.7%
Africa	228	137	60.1%	485	12.4%	16.8%	21.9%	48.9%
Asia	34	19	55.9%	362	15.8%	26.3%	31.6%	26.3%
Caribbean	48	28	58.3%	526	0.0%	14.3%	32.1%	53.6%
Central America	86	51	59.3%	393	11.8%	19.6%	27.5%	41.2%
Other	61	23	37.7%	629	8.7%	4.3%	21.7%	65.2%
Unknown	431	290	67.3%	487	14.5%	15.2%	22.4%	47.9%
TOTAL	17,122	10,610	62.0%	517	13.3%	15.8%	19.0%	52.0%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2013 and Reported through 12/31/2014**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	11,020	5,507	50.0%	69.8%	10,000
Female	6,102	3,426	56.1%	66.3%	9,840
TOTAL	17,122	8,933	52.2%	68.4%	10,000

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	517	271	52.4%	71.2%	7,701
Non-Hispanic	16,605	8,662	52.2%	68.3%	10,000
American Indian/Alaska Native, only	16	***	***	***	***
Asian, only	62	34	54.8%	82.4%	61,198
Black, only	13,220	6,978	52.8%	66.2%	9,878
Native Hawaiian/Other Pacific Islander, only	7	***	***	***	***
White only	2,645	1,227	46.4%	79.2%	10,000
Multiracial/Other	655	414	63.2%	71.0%	12,477
TOTAL	17,122	8,933	52.2%	68.4%	10,000

COUNTRY OF BIRTH	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	16,234	8,441	52.0%	68.4%	10,000
Foreign-born	457	216	47.3%	70.8%	18,628
Africa	228	114	50.0%	67.5%	27,710
Asia	34	17	50.0%	64.7%	26,687
Caribbean	48	24	50.0%	70.8%	7,557
Central America	86	42	48.8%	71.4%	1,315
Other	61	19	31.1%	94.7%	1,250
Unknown	431	276	64.0%	66.7%	9,665
TOTAL	17,122	8,933	52.2%	68.4%	10,000

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

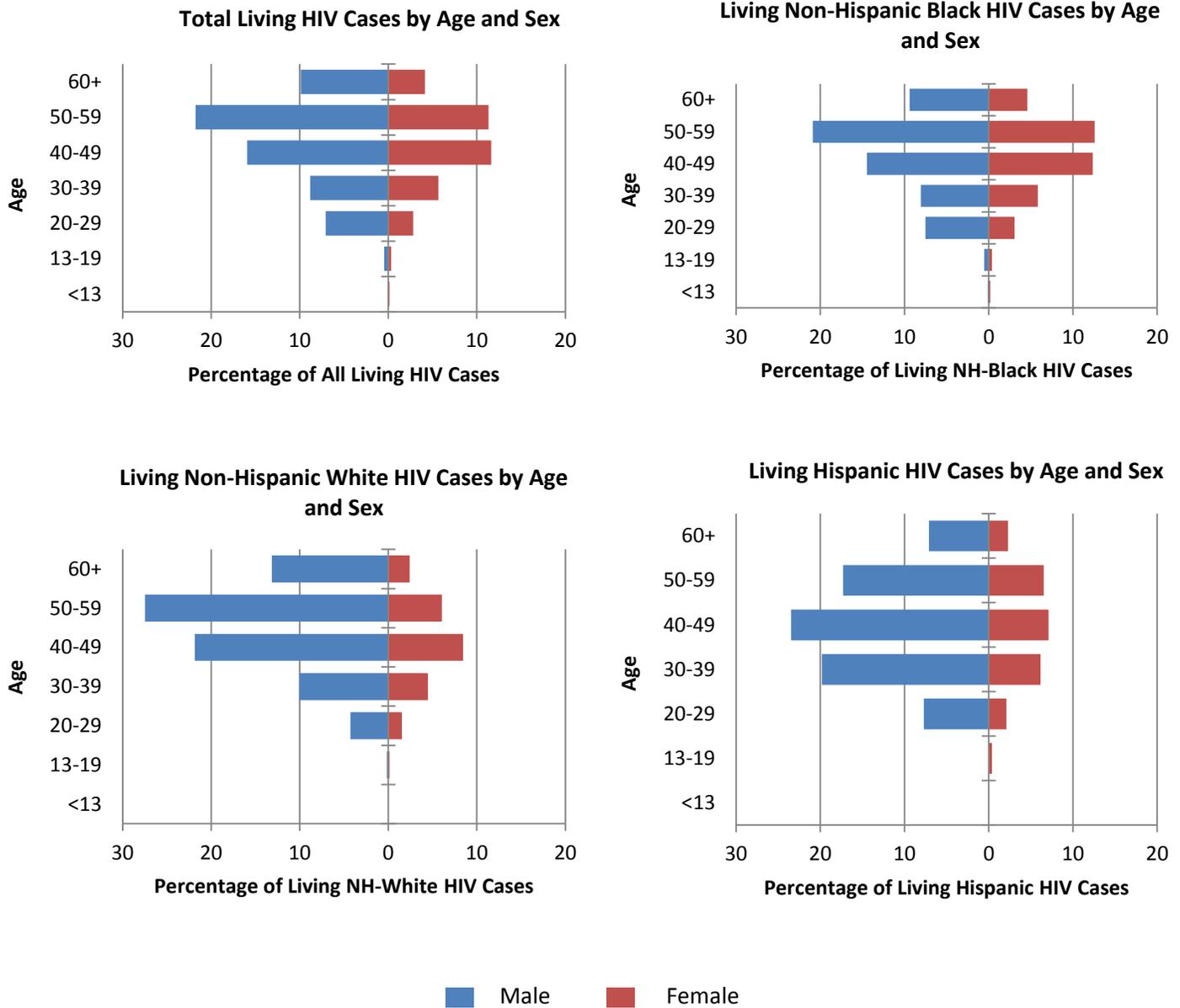
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Section VI – HIV Cases by Expanded Demographics

**Figure 8 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2013 and Reported through 12/31/2014**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2013 and Reported through 12/31/2014**

MALES						
AGE ON 12/31/2013		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	18,528	72,454	107,639	24,530	223,151
	Cases	0	11	1	0	12
	Rate	0.0	15.2	0.9	0.0	5.4
	Ratio (1 in X)	--	6,586	--	--	18,595
13-19	Population	7,668	40,042	65,330	24,530	137,570
	Cases	0	72	4	4	80
	Rate	0.0	179.8	6.1	16.3	58.2
	Ratio (1 in X)	--	556	16,332	6,132	1,719
20-29	Population	13,873	58,003	106,573	15,516	193,965
	Cases	40	1,015	114	63	1,232
	Rate	288.3	1,749.9	107.0	406.0	635.2
	Ratio (1 in X)	346	57	934	246	157
30-39	Population	14,907	46,214	94,718	15,571	171,410
	Cases	103	1,088	267	78	1,536
	Rate	691.0	2,354.3	281.9	500.9	896.1
	Ratio (1 in X)	144	42	354	199	111
40-49	Population	9,546	49,708	106,698	13,325	179,277
	Cases	122	1,948	582	123	2,775
	Rate	1,278.0	3,918.9	545.5	923.1	1,547.9
	Ratio (1 in X)	78	25	183	108	64
50-59	Population	5,218	48,242	126,352	10,089	189,901
	Cases	90	2,812	732	149	3,783
	Rate	1,724.8	5,828.9	579.3	1,476.9	1,992.1
	Ratio (1 in X)	57	17	172	67	50
60+	Population	3,733	48,790	168,535	10,171	231,229
	Cases	37	1,265	350	67	1,719
	Rate	991.2	2,592.7	207.7	658.7	743.4
	Ratio (1 in X)	100	38	481	151	134
TOTAL MALES BY RACE/ ETHNICITY	Population	73,473	363,453	775,845	113,732	1,326,503
	Cases	392	8,211	2,050	484	11,137
	Rate	533.5	2,259.2	264.2	425.6	839.6
	Ratio (1 in X)	187	44	378	234	119

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2013 and Reported through 12/31/2014**

FEMALES						
AGE ON 12/31/2013		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	17,965	70,028	102,310	23,812	214,115
	Cases	0	26	0	1	27
	Rate	0.0	37.1	0.0	4.2	12.6
	Ratio (1 in X)	--	2,693	--	--	7,930
13-19	Population	6,992	39,703	61,734	10,886	119,315
	Cases	2	52	4	0	58
	Rate	28.6	131.0	6.5	0.0	48.6
	Ratio (1 in X)	--	763	15,433	--	2,057
20-29	Population	11,411	63,841	103,577	16,050	194,879
	Cases	11	414	41	22	488
	Rate	96.4	648.5	39.6	137.1	250.4
	Ratio (1 in X)	1,037	154	2,526	729	399
30-39	Population	12,308	57,169	94,605	17,957	182,039
	Cases	32	788	119	45	984
	Rate	260.0	1,378.4	125.8	250.6	540.5
	Ratio (1 in X)	384	72	795	399	184
40-49	Population	8,385	59,751	110,781	15,019	193,936
	Cases	37	1,665	225	95	2,022
	Rate	441.3	2,786.6	203.1	632.5	1,042.6
	Ratio (1 in X)	226	35	492	158	95
50-59	Population	4,953	60,254	131,476	11,131	207,814
	Cases	34	1,697	161	78	1,970
	Rate	686.5	2,816.4	122.5	700.7	948.0
	Ratio (1 in X)	145	35	816	142	105
60+	Population	4,531	74,427	205,892	12,347	297,197
	Cases	12	620	64	25	721
	Rate	264.8	833.0	31.1	202.5	242.6
	Ratio (1 in X)	377	120	3,217	493	412
TOTAL FEMALES BY RACE/ETHNICITY	Population	66,545	425,173	810,375	107,202	1,409,295
	Cases	128	5,262	614	266	6,270
	Rate	192.4	1,237.6	75.8	248.1	444.9
	Ratio (1 in X)	519	80	1,319	403	224

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

## Section VII – HIV Exposure Category

**Table 18 – Adult/Adolescent HIV Diagnoses during 2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2014**

EXPOSURE CATEGORY	Adult/Adolescent HIV Diagnoses							
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result	
							% with Test	Median Count
With Exposure	504	100.0%	408	81.0%	151	30.0%	83.5%	332
Men who have Sex with Men (MSM)	265	52.6%	227	85.7%	66	24.9%	87.9%	352
Injection Drug Users (IDU)	34	6.7%	19	55.9%	8	23.5%	61.8%	436
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	192	38.1%	153	79.7%	74	38.5%	82.8%	289
Other Exposure	***	***	***	***	***	***	***	***
No Reported Exposure	139		103	74.1%	41	29.5%	78.4%	366
TOTAL	643		511	79.5%	192	29.9%	82.4%	340

MALE EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses							
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result	
							% with Test	Median Count
With Exposure	385	100.0%	310	80.5%	103	26.8%	82.6%	332
Men who have Sex with Men (MSM)	265	68.8%	227	85.7%	66	24.9%	87.9%	352
Injection Drug Users (IDU)	20	5.2%	11	55.0%	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	88	22.9%	64	72.7%	30	34.1%	76.1%	257
Other Exposure	***	***	***	***	***	***	***	***
No Reported Exposure	78		57	73.1%	22	28.2%	73.1%	355
TOTAL	463		367	79.3%	125	27.0%	81.0%	332

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses							
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis	First CD4 Test Result	
							% with Test	Median Count
With Exposure	119	100.0%	98	82.4%	48	40.3%	86.6%	341
Injection Drug Users (IDU)	14	11.8%	8	57.1%	***	***	***	***
Heterosexual Exposure (HET)	104	87.4%	89	85.6%	44	42.3%	88.5%	322
Other Exposure	1	0.8%	1	100.0%	***	***	***	***
No Reported Exposure*	61		46	75.4%	19	31.1%	85.2%	393
TOTAL	180		144	80.0%	67	37.2%	86.1%	363

\* Includes 7 HIV cases with Presumed Female Heterosexual exposure

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 19 – Adult/Adolescent AIDS Diagnoses during 2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2014**

EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	366	100.0%	4.6	44.3%
Men who have Sex with Men (MSM)	134	36.6%	3.3	52.2%
Injection Drug Users (IDU)	82	22.4%	8.5	15.9%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	7	1.9%	6.3	28.6%
Heterosexual Exposure (HET)	142	38.8%	3.6	53.5%
Other Exposures	1	0.3%	0.0	100.0%
No Reported Exposure	106		4.3	37.7%
TOTAL	472		4.5	42.8%

MALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	237	100.0%	4.2	47.3%
Men who have Sex with Men (MSM)	134	56.5%	3.3	52.2%
Injection Drug Users (IDU)	43	18.1%	8.5	16.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	7	3.0%	6.3	28.6%
Heterosexual Exposure (HET)	52	21.9%	2.9	61.5%
Other Exposures	1	0.4%	0.0	100.0%
No Reported Exposure	56		4.0	37.5%
TOTAL	293		4.2	45.4%

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	129	100.0%	5.4	38.8%
Injection Drug Users (IDU)	39	30.2%	8.5	15.4%
Heterosexual Exposure (HET)	90	69.8%	4.0	48.9%
Other Exposures	0	0.0%	--	0.0%
No Reported Exposure*	50		4.5	38.0%
TOTAL	179		5.1	38.5%

\* Includes 8 AIDS cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2013 and Reported through 12/31/2014**

EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	5,465	100.0%	8,382	100.0%	13,847	100.0%
Men who have Sex with Men (MSM)	2,078	38.0%	2,217	26.4%	4,295	31.0%
Injection Drug Users (IDU)	1,450	26.5%	3,188	38.0%	4,638	33.5%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	157	2.9%	366	4.4%	523	3.8%
Heterosexual Exposure (HET)	1,763	32.3%	2,570	30.7%	4,333	31.3%
Other Exposures	17	0.3%	41	0.5%	58	0.4%
No Reported Exposure	2,111		1,164		3,275	
TOTAL	7,576		9,546		17,122	

MALES EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	3,683	100.0%	5,402	100.0%	9,085	100.0%
Men who have Sex with Men (MSM)	2,078	56.4%	2,217	41.0%	4,295	47.3%
Injection Drug Users (IDU)	867	23.5%	1,910	35.4%	2,777	30.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	157	4.3%	366	6.8%	523	5.8%
Heterosexual Exposure (HET)	572	15.5%	885	16.4%	1,457	16.0%
Other Exposures	9	0.2%	24	0.4%	33	0.4%
No Reported Exposure	1,239		696		1,935	
TOTAL	4,922		6,098		11,020	

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,782	100.0%	2,980	100.0%	4,762	100.0%
Injection Drug Users (IDU)	583	32.7%	1,278	42.9%	1,861	39.1%
Heterosexual Exposure (HET)	1,191	66.8%	1,685	56.5%	2,876	60.4%
Other Exposures	8	0.4%	17	0.6%	25	0.5%
No Reported Exposure*	872		468		1,340	
TOTAL	2,654		3,448		6,102	

\* Includes 77 HIV cases without AIDS and 36 HIV cases with AIDS with Presumed Female Heterosexual exposure

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2013 and Reported through 12/31/2014**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure	
With Exposure	409	100.0%	10,646	100.0%	2,166	100.0%
Men who have Sex with Men (MSM)	163	39.9%	2,684	25.2%	1,228	56.7%
Injection Drug Users (IDU)	78	19.1%	3,911	36.7%	462	21.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	15	3.7%	406	3.8%	76	3.5%
Heterosexual Exposure (HET)	152	37.2%	3,609	33.9%	381	17.6%
Other Exposures	1	0.2%	36	0.3%	19	0.9%
No Reported Exposure	108		2,574		479	
TOTAL	517		13,220		2,645	

MALE EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure	
With Exposure	314	100.0%	6,682	100.0%	1,686	100.0%
Men who have Sex with Men (MSM)	163	51.9%	2,684	40.2%	1,228	72.8%
Injection Drug Users (IDU)	57	18.2%	2,401	35.9%	229	13.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	15	4.8%	406	6.1%	76	4.5%
Heterosexual Exposure (HET)	79	25.2%	1,174	17.6%	138	8.2%
Other Exposures	0	0.0%	17	0.3%	15	0.9%
No Reported Exposure	78		1,429		353	
TOTAL	392		8,111		2,039	

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure	
With Exposure	95	100.0%	3,964	100.0%	480	100.0%
Injection Drug Users (IDU)	21	22.1%	1,510	38.1%	233	48.5%
Heterosexual Exposure (HET)	73	76.8%	2,435	61.4%	243	50.6%
Other Exposures	1	1.1%	19	0.5%	4	0.8%
No Reported Exposure*	30		1,145		126	
TOTAL	125		5,109		606	

\* Includes 4 Hispanic cases, 99 non-Hispanic black cases, and 8 non-Hispanic white cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2013 and Reported through 12/31/2014**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	13,847	8,971	64.8%	518	13.3%	15.7%	18.9%	52.1%
Men who have Sex with Men (MSM)	4,295	2,689	62.6%	544	9.0%	14.4%	20.3%	56.2%
Injection Drug Users (IDU)	4,638	3,016	65.0%	468	16.5%	18.8%	18.4%	46.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	523	336	64.2%	482	14.9%	17.9%	20.5%	46.7%
Heterosexual Exposure (HET)	4,333	2,890	66.7%	543	13.5%	13.4%	17.9%	55.2%
Other Exposures	58	40	69.0%	386	25.0%	20.0%	17.5%	37.5%
No Reported Exposure	3,275	1,639	50.0%	514	13.2%	16.0%	19.3%	51.4%
TOTAL	17,122	10,610	62.0%	517	13.3%	15.8%	19.0%	52.0%

\* Includes 113 cases with Presumed Female Heterosexual exposure

**Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2013 and Reported through 12/31/2014**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	13,847	7,475	54.0%	68.6%	10,050
Men who have Sex with Men (MSM)	4,295	2,322	54.1%	70.7%	11,420
Injection Drug Users (IDU)	4,638	2,420	52.2%	65.7%	10,125
Men who have Sex with Men and Inject Drugs (MSM/IDU)	523	270	51.6%	65.6%	12,882
Heterosexual Exposure (HET)	4,333	2,429	56.1%	69.9%	8,452
Other Exposures	58	34	58.6%	58.8%	37,088
No Reported Exposure	3,275	1,458	44.5%	67.6%	9,350
TOTAL	17,122	8,933	52.2%	68.4%	10,000

\* Includes 113 cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

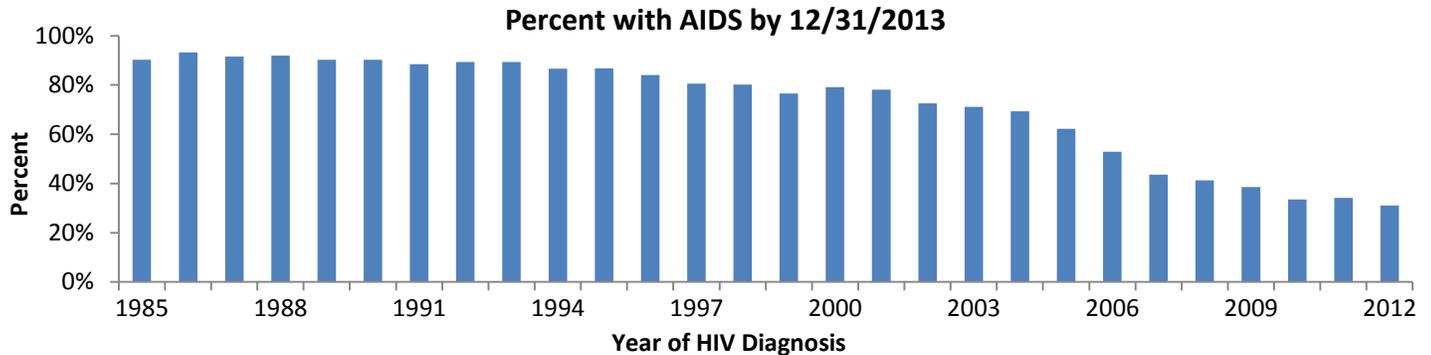
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

## Section VIII – Disease Progression and Mortality

**Figure 9 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2012, Reported through 12/31/2014**

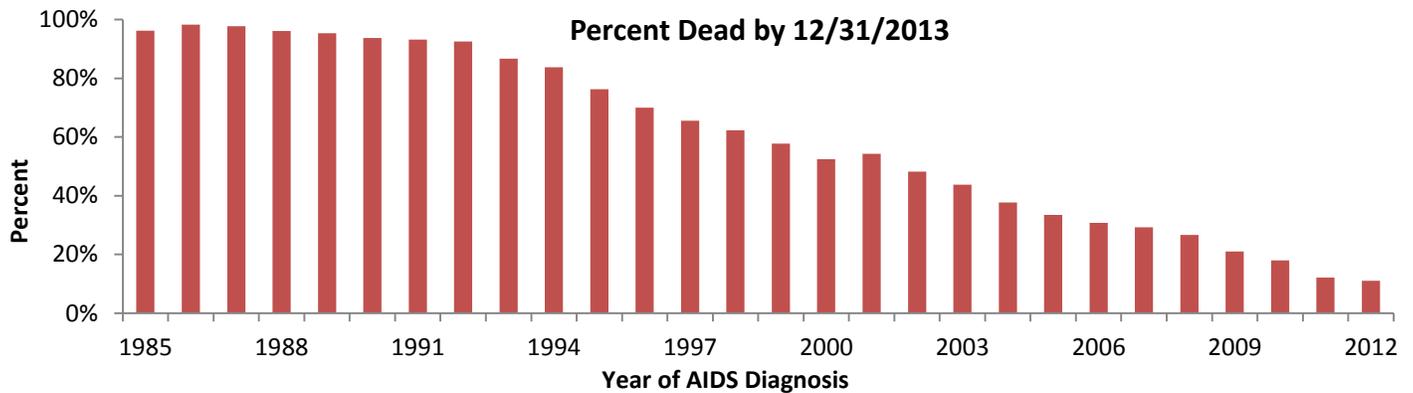
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2012 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2013 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2013, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2012, as Reported by Name through 12/31/2014



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	218	210	96.3%	6.8	34.9%	34.9%	38.5%	68.8%
1985	430	388	90.2%	6.5	25.8%	27.0%	34.7%	74.4%
1986	573	534	93.2%	5.5	33.7%	34.4%	46.2%	79.8%
1987	758	694	91.6%	4.6	33.5%	36.8%	54.5%	82.5%
1988	1,125	1,034	91.9%	3.9	38.3%	42.0%	63.7%	85.5%
1989	1,430	1,292	90.3%	3.7	37.8%	43.3%	67.1%	82.9%
1990	1,492	1,346	90.2%	3.0	44.0%	50.7%	73.1%	84.9%
1991	1,702	1,505	88.4%	2.7	46.0%	55.5%	73.1%	82.9%
1992	1,665	1,489	89.4%	2.5	50.6%	58.9%	75.4%	84.0%
1993	1,524	1,363	89.4%	2.2	54.1%	62.1%	76.6%	85.4%
1994	1,384	1,199	86.6%	2.3	53.0%	60.8%	73.5%	81.8%
1995	1,353	1,174	86.8%	2.2	57.3%	62.7%	72.6%	82.3%
1996	1,267	1,065	84.1%	1.9	59.5%	64.2%	71.4%	80.2%
1997	1,280	1,032	80.6%	2.0	55.4%	60.1%	68.7%	76.8%
1998	1,266	1,015	80.2%	2.0	55.3%	58.9%	67.6%	75.8%
1999	1,160	889	76.6%	1.5	56.5%	60.4%	68.4%	74.7%
2000	1,093	865	79.1%	1.6	56.5%	60.8%	70.1%	76.9%
2001	1,190	929	78.1%	1.3	58.9%	62.9%	71.3%	76.6%
2002	1,427	1,036	72.6%	1.5	54.3%	57.6%	64.5%	71.1%
2003	1,218	866	71.1%	1.2	54.7%	58.1%	63.9%	70.3%
2004	1,233	854	69.3%	1.2	53.0%	56.8%	63.0%	--
2005	1,283	798	62.2%	1.2	46.9%	49.7%	56.2%	--
2006	1,331	704	52.9%	1.2	38.9%	41.1%	48.3%	--
2007	1,233	538	43.6%	1.5	28.6%	31.5%	39.3%	--
2008	1,171	484	41.3%	1.3	28.1%	31.4%	--	--
2009	939	362	38.6%	1.1	27.2%	30.5%	--	--
2010	951	319	33.5%	0.8	25.3%	28.2%	--	--
2011	720	246	34.2%	0.5	27.6%	31.8%	--	--
2012	720	224	31.1%	0.4	28.2%	--	--	--
TOTAL	33,136	24,454	73.8%	2.3	45.7%	50.4%	61.3%	70.3%

**Figure 10 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2012, Reported through 12/31/2014**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/2012 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2013 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2013, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2012, as Reported by Name through 12/31/2014

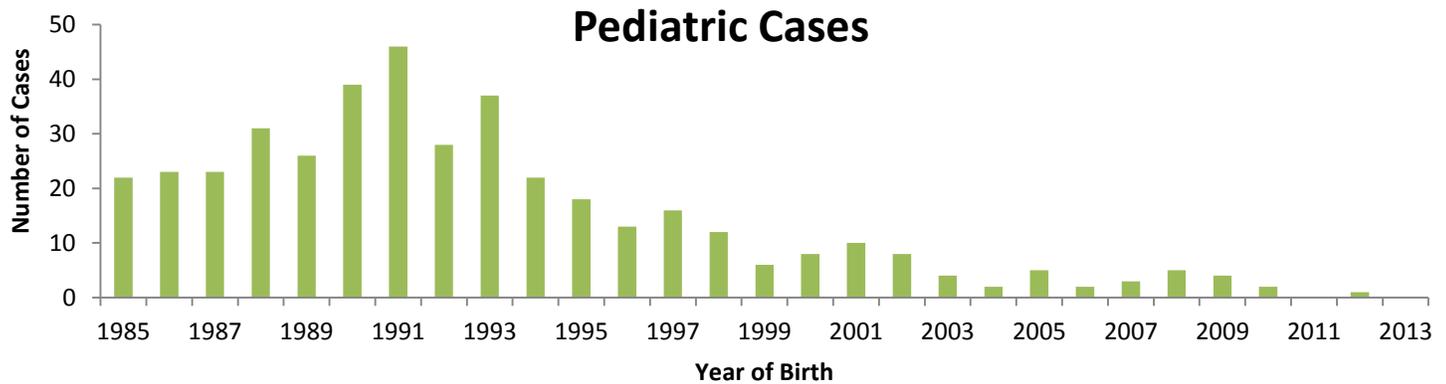


YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported AIDS Diagnoses							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	77	72	93.5%	2.5	53.2%	33.8%	16.9%	14.3%
1985	105	101	96.2%	1.7	42.9%	21.9%	8.6%	6.7%
1986	174	171	98.3%	2.6	54.0%	35.6%	14.9%	8.6%
1987	263	257	97.7%	2.1	61.6%	33.5%	11.0%	4.9%
1988	434	417	96.1%	2.2	59.2%	39.2%	13.8%	6.5%
1989	552	526	95.3%	2.4	60.9%	39.5%	15.9%	8.3%
1990	782	733	93.7%	2.8	65.7%	46.4%	20.3%	11.9%
1991	973	907	93.2%	2.7	67.5%	46.1%	18.1%	12.1%
1992	1,342	1,241	92.5%	2.9	70.3%	48.9%	20.6%	14.5%
1993	1,546	1,341	86.7%	3.5	77.5%	55.4%	32.6%	21.2%
1994	1,380	1,155	83.7%	3.7	77.0%	58.4%	38.1%	24.1%
1995	1,392	1,062	76.3%	4.4	78.4%	66.2%	49.1%	34.9%
1996	1,322	925	70.0%	4.9	82.1%	75.0%	57.8%	42.0%
1997	1,129	741	65.6%	4.8	85.1%	77.0%	60.7%	44.5%
1998	1,035	645	62.3%	4.9	87.0%	79.8%	63.7%	46.9%
1999	1,023	591	57.8%	4.5	87.1%	80.1%	64.4%	49.0%
2000	890	466	52.4%	4.1	85.7%	80.3%	65.3%	52.8%
2001	1,014	551	54.3%	3.8	85.6%	76.9%	62.3%	50.1%
2002	1,082	522	48.2%	4.2	88.0%	82.0%	69.7%	56.7%
2003	944	413	43.8%	3.1	83.6%	78.2%	66.9%	57.6%
2004	965	364	37.7%	2.9	87.0%	82.4%	71.6%	--
2005	901	302	33.5%	2.7	88.5%	83.6%	73.8%	--
2006	812	250	30.8%	2.4	88.2%	83.5%	74.1%	--
2007	603	176	29.2%	2.4	88.4%	84.9%	76.1%	--
2008	595	159	26.7%	1.8	87.7%	83.4%	--	--
2009	519	109	21.0%	1.7	90.4%	86.7%	--	--
2010	567	102	18.0%	1.2	89.9%	86.9%	--	--
2011	461	56	12.1%	0.8	93.3%	90.5%	--	--
2012	512	57	11.1%	0.7	91.0%	--	--	--
TOTAL	23,394	14,412	61.6%	3.5	80.8%	69.8%	53.5%	43.6%

## Section IX – Pediatric Cases

**Figure 11 – Trends in Pediatric HIV Cases, 1985-2013, Reported through 12/31/2014**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2013, as Reported by Name through 12/31/2014



YEAR	Pediatric Reported HIV Diagnoses				Pediatric Total Living HIV Cases
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	27	3	2	0	
1985	22	8	5	1	10
1986	23	8	6	4	14
1987	23	16	9	5	25
1988	31	19	9	4	40
1989	26	27	16	5	62
1990	39	36	15	5	93
1991	46	35	22	8	119
1992	28	46	30	9	155
1993	37	44	22	12	187
1994	22	31	24	12	205
1995	18	19	12	12	213
1996	13	19	14	14	213
1997	16	10	9	6	216
1998	12	16	9	3	229
1999	6	16	11	4	239
2000	8	8	3	0	246
2001	10	9	6	3	250
2002	8	8	9	3	255
2003	4	2	3	3	254
2004	2	5	3	3	257
2005	5	2	2	0	259
2006	2	5	6	2	260
2007	3	31	5	4	287
2008	5	8	6	3	292
2009	4	5	6	1	297
2010	2	3	8	4	295
2011	0	2	3	2	296
2012	1	2	1	3	295
2013	0	0	11	1	291
TOTAL	443	443	287	136	--

**Table 24 – Pediatric Total Living HIV Cases, Alive on 12/31/2013, by Jurisdiction, Reported through 12/31/2014**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Pediatric Total Living HIV Cases	
	No.	% of Total
Anne Arundel	24	8.2%
Baltimore City	204	70.1%
Baltimore	43	14.8%
Carroll	2	0.7%
Harford	12	4.1%
Howard	6	2.1%
TOTAL	291	100.0%

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2013 and Reported through 12/31/2014**

SEX AT BIRTH	Pediatric Total Living HIV Cases	
	No.	% of Total
Male	123	42.3%
Female	168	57.7%
TOTAL	291	100.0%

RACE/ETHNICITY	Pediatric Total Living HIV Cases	
	No.	% of Total
Hispanic	3	1.0%
Non-Hispanic	288	99.0%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	1	0.3%
Black, only	259	89.9%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	19	6.6%
Multiracial/Other	9	3.1%
TOTAL	291	100.0%

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

## Glossary of Terms

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Confirmed Perinatal HIV Transmissions:** Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Live Births:** Babies born alive in the general population.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median:** The measure of central location which divides a set of data into two equal parts.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 200 copies per milliliter or greater.

**Number Linked to Care:** Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

**Number of Late HIV diagnosis (for HIV diagnoses):** Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

**On ART:** Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 200 copies per milliliter.

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2011.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal HIV Transmission Rate:** Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

**Population:** Population estimate for 7/1/2013.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported Perinatal HIV Exposures:** Reported babies born to an HIV positive mother during the specified year.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Women of Childbearing Age Total Living HIV cases:** Reported HIV diagnoses among women of child bearing age (13-49 years old) on December 31<sup>st</sup> of the specified year